

Computer Organization Supplement I

[How to Write Your Report]

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The Purpose of the Lab Report

- To guide you to do efficient & effective lab activities.
- To evaluate your activities more generously and efficiently.
- To enhance the interaction between students & TAs.

Brief Guidelines:

- You don't need to write a lengthy report.
- You don't need to spend a lot of time.
- You can write yours in any format, as long as it is easy to read.

Requirement

- I **recommend** you to write the five sections as follows,
 - Introduction
 - Design
 - Implementation
 - Discussion
 - Conclusion
- I'll explain how to write each section.
- Meanwhile, this format is **not mandatory**.

Introduction

- Write this section **before you start the design.**
 - Please start this as soon as possible.
- You should describe
 - What you have to design & implement
 - What you will learn through the assignment.
- If you have difficulties of writing this section, that means you don't understand what this lab is for.
 - Read the lab material carefully.
 - Ask questions to TAs.

Design

- You should write this section when you are in **the design phase**.
- You can save a lot of time with **a careful design**.
- This section should prove that you really put effort into the design phase.
- For example,
 - What submodules do you need for implementing a large module?
 - What does each submodule do?
 - How will you interconnect them?

Implementation

- You should explain your Verilog code.
- This section should help TAs who will read your large overall implementation.
- For example,
 - The overall structure of your implementation.
 - A short but meaningful description for each of your non-trivial module.
 - The interactions between modules.
 - **DO NOT COPY AND PASTE YOUR CODE.** If you cannot help explaining the code, then please simplify the code as much as possible.

Discussion

- You can write anything that you want to inform.
- For example,
 - The difficulties you met, and your attempts to solve (or evade) it
 - The important decisions you made.
 - The differences between your design and implementation, and the reasons for them.
 - Feedback to TAs.
 - e.g. It is too easy/difficult, TA's explanation is insufficient, etc.
 - Anything else.

Conclusion

- You just need to answer the following question in this section.
 - Have you succeeded to achieve the goals described in the Introduction section?
 - If not, which goals you cannot achieve? Why?